

[54] **DIODE ARRAY**

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[56]

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[57]

ABSTRACT

A method and apparatus for rectifying thermal electrical noise, the preferred apparatus comprising a dielectric ultra-filtration screen membrane having a plurality of cylindrical pores, each pore isolating material forming an individual diode having an internal impedance in which electrical signals are generated by effect of thermal electrical noise, the diodes are connected in parallel to cumulate the effect of rectified electrical signals for concurrent production of power and refrigeration.

7 Claims, 7 Drawing Figures

